

DERWENT- 1978-70821A

ACC-NO:

DERWENT- 198549

WEEK:

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TITLE: Basic steel-making slags treated with lime are fed into rotary drum furnace with lime to mfr. Portland cement clinker

PATENT-ASSIGNEE: CENT RECH METALLURGIQUES [CNRM]

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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BE 867392 A	September 18, 1978	FR
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DE 2829370 A	January 25, 1979	DE
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FR 2397460 A	March 16, 1979	FR
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JP 54037094 A	March 19, 1979	JA
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JP 85050737 B	November 9, 1985	JA
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
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DE 2829370A	N/A	1978DE-2829370	July 4, 1978
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INT-CL-
CURRENT:

TYPE	IPC	DATE
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CIPS	<u>C04 B</u>	<u>5/06</u> 20060101
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CIPS	<u>C04 B</u>	<u>7/02</u> 20060101
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CIPS	<u>C04 B</u>	<u>7/14</u> 20060101
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CIPS	<u>C04 B</u>	<u>7/147</u> 20060101
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CIPS	<u>C21 B</u>	<u>3/06</u> 20060101
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CIPS	<u>C22 B</u>	<u>7/04</u> 20060101
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ABSTRACTED-PUB-NO: BE 867392 A

BASIC-ABSTRACT:

Plant for exploiting metallurgical slags not contg. phosphorus, uses a furnace (a) with a vertical axis and height pref. equal to its dia. The slag is heated in the furnace (a) e.g. by ?l burner with its bottom end dipping into the slag, and the furnace has a spout and is tilted for emptying. Devices are included for adding agents which reduce iron- and manganese-oxides, and for adding lime.

Furnace (a) is emptied into a rotary drum furnace (b) with an axis which is almost horizontal, but sloping towards its outlet, in furnace (b), the lime reacts with the reduced slag so Portland cement clinker is formed in furnace (b). Furnace (a) pref. has a taphole for removing Fe and Mn obtd. by the redn. of their oxides. See also 867391.

Slags which had only a few industrial or agricultural uses in the past can now be used as Portland cement.

TITLE- BASIC STEEL SLAG TREAT LIME FEED ROTATING DRUM FURNACE
TERMS: MANUFACTURE PORTLAND CEMENT CLINKER

DERWENT-CLASS: L02 M22

CPI-CODES: L02-C03; M24-A07;